

05-18-1998

Docket No. AM1495/P1/T21210

FORM PTO-1595
(Rev. 6-93)

4/20/98



100711832

U.S. Department of Commerce
Patent and Trademark Office

To the Honorable Asst. Commissioner for Patents. Please record the date of filing of this document or copy thereof

1. Name of conveying party(ies):

Jun Zhao, Lee Luo, Xiao Liang Jin

Additional name(s) of conveying parties attached? Yes
 No.

2. Name and address of receiving party(ies)

Name: Applied Materials, Inc.

Internal Address:

Street Address: 3050 Bowers Avenue

City: Santa Clara State: CA ZIP: 95054

Additional names and addresses attached? Yes No

3. Nature of conveyance:

 Assignment Merger

 Security Agreement Change of Name

 Other:

Execution Date: October 15, 1997

4. Application Number(s) or Patent Numbers.

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No(s): 08/936,285 B. Patent No(s):

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Patent Counsel
APPLIED MATERIALS, INC.
Legal Affairs Department
P.O. Box 450A
Santa Clara, California 95052

6. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41): -----\$40.00

 Enclosed Charge Fees to Deposit Account

 Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account.

8. Deposit account number: 20-1430

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Rosa S. Kim
Name of Person Signing

Rosa S. Kim
Signature

April 15, 1998
Date

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10. Change Correspondence Address to that of Part 5? Yes No

OMB No. 0651-0011 (exp. 4/94)

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Mail documents to be recorded with required cover to:

Asst. Commissioner for Patents
Box: Assignments
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ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

1)	JUN ZHAO 11764 Ridge Creek Court Cupertino, California 95014	2)	LEE LUO 222 Brunswick Place Fremont, California 94539
3)	XIAO LIANG JIN 1212 Arlington Lane San Jose, California 95129		

(hereinafter referred to as Assignors), have invented a certain invention entitled:

"METHODS AND APPARATUS FOR SUBSTRATE PROCESSING WITH IMPROVED THROUGHPUT AND YIELD"

for which application for Letters Patent in the United States was filed on September 22, 1997, under Serial No. 08/936,285, executed on even date herewith; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

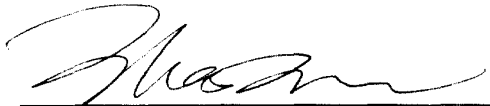
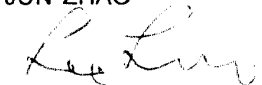
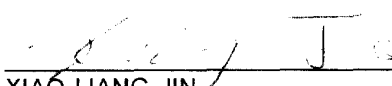
2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed

necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1)	<u>10/15/97</u>	1997	 JUN ZHAO
2)	<u>11/15/97</u>	1997	 LEE LUO
3)	<u>10/15/97</u>	1997	 XIAO LIANG JIN

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